Title: System and Method for Automatically A Reducing Noise for Video Encoding Inventor: Alvarez; Page 1 of 6

Serial No.: 10/045,894; Filed: October 29, 2001

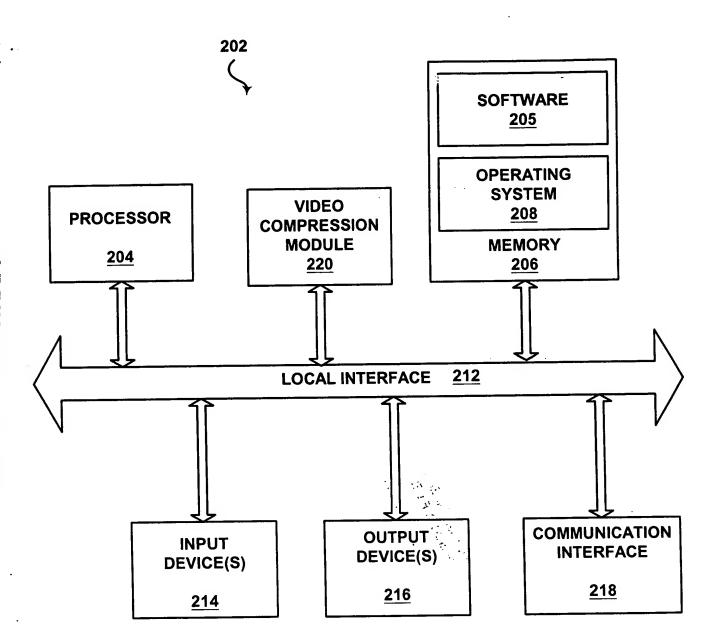


FIG. 1

Title: System and Method for Automatically Reducing Noise for Video Encoding

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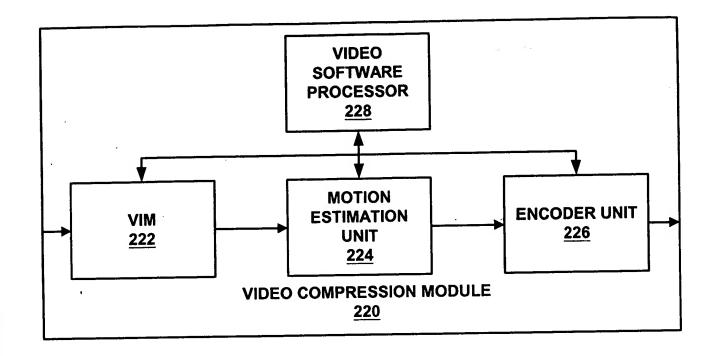


FIG. 2

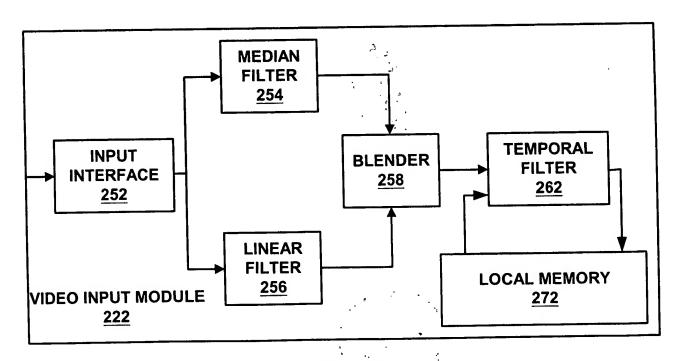
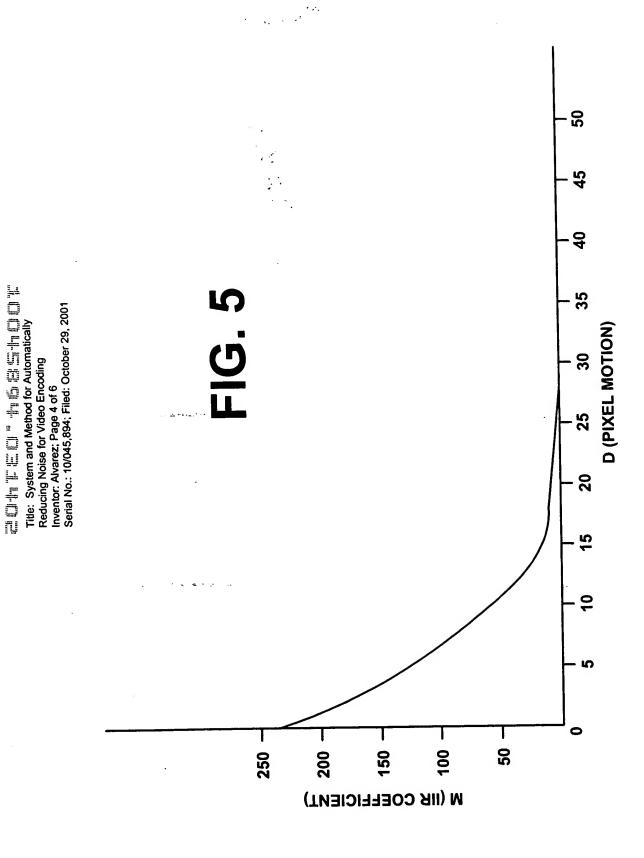


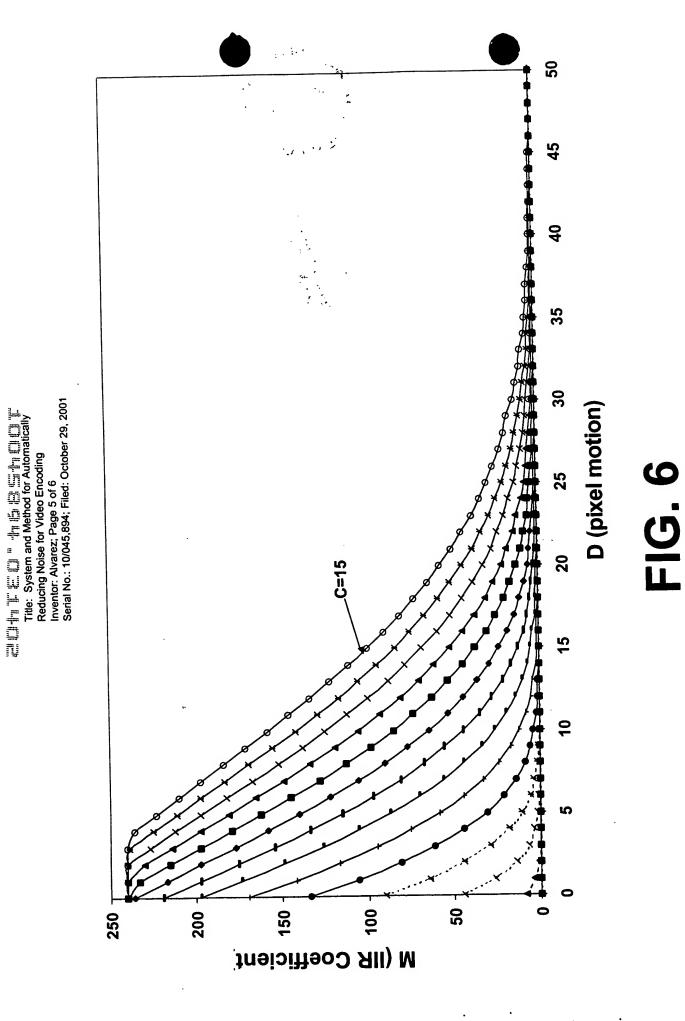
FIG. 3

**TEMPORAL FILTER** Σ TEMPORAL MEMORY FILTER **5**69 HORIZONTAL **LOW PASS** FILTER 268 GENERATOR STATISTICS 267 BUFFER 266 CONVERSIO N DEVICE 264 263 **PREVIOUS** FILTERED CURRENT FIELD FIELD

(二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二 System and Method for Automatically Reducing Noise for Video Encoding Inventor: Alvarez: Page 3 of 6 Serial No.: 10/045,894; Filed: October 29, 2001

**FIG. 4** 





50 45 8 W. 35 30 D (pixel motion) 20 15 19 5 0.4 0.7 0 9.0 0.5 0.3 0.1 0.8 0.7 0.0 wobniW

**FIG. 7**